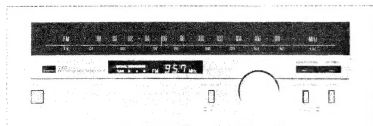


SERVICE MANUAL

FM/AM STEREO TUNER

SANSUI T-80/60



SPECIFICATIONS

<T-80/T-60>

FM Section

Tuning range 88 to 108 MHz

Usable Sensitivity

Mono IHF 10.8 dBf (1.9 μ V; T100)

DIN 1.0 μ V

Stereo IHF 21.0 dBf

50 dB Quieting Sensitivity

Mono 15.0 dBf

Stereo 37.0 dBf

Signal to noise ratio at 65 dBf

Mono 72 dB

Stereo 68 dB

Distortion at 65 dBf

Mono less than 0.2 % at 1,000 Hz

Stereo less than 0.25 % at 1,000 Hz

Alternate channel selectivity (at 400 kHz)

. 60 dB

Stereo separation 40 dB at 1,000 Hz

Frequency response 30 to 15,000 Hz

+1.0 dB, -2.0 dB

Antenna input impedance

. 300 ohms balanced

75 ohms unbalanced

AM Section

Tuning range 530 to 1,600 kHz

Usable sensitivity (Bar antenna)

. 50 dB μ m (200 μ V/m)

Signal to noise ratio 45 dB

Image response ratio 45 at 1,000 Hz

Others

Output voltage and impedance

. 775 mV/2.2 kilohms

Power requirements 110 ~ 120, 220 ~ 240 V

50/60 Hz

For U.S.A. and Canada

. 120 V (60 Hz)

Power consumption 13 W (T-60)

19 W (T-80)

Weight 4.1 kg (9.0 lbs) net

5.1 kg (11.2 lbs) packed (T-60)

4.8 kg (10.6 lbs) net

5.8 kg (12.8 lbs) packed (T-80)

Dimensions 430 mm (16-15/16") W

147 mm (5-13/16") H

251 mm (9-15/16") D

* Design and specifications subject to change without notice for improvements.

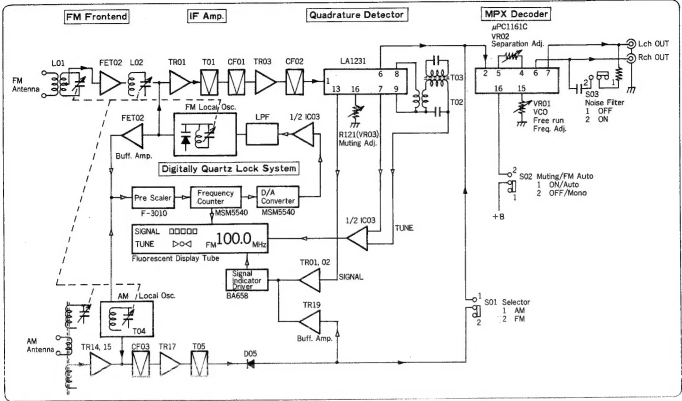
* In order to simplify the explanation illustrations may sometimes differ from the originals.

Sansui

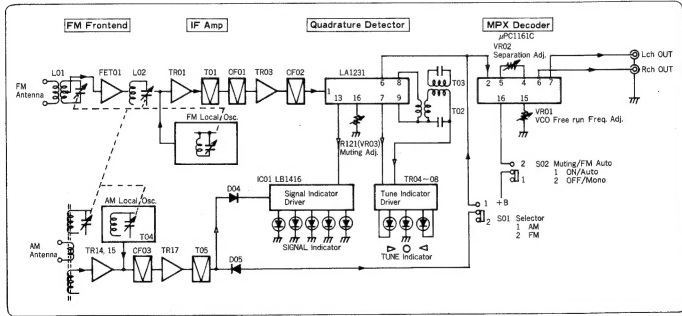
SANSUI ELECTRIC CO., LTD.

1. BLOCK DIAGRAM

• T-80



• T-60



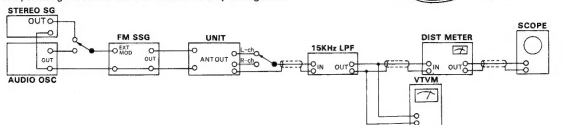
2. ADJUSTMENT

2-1. FM Adjustment (See Top View on Page 8)

Note: 1. Selector FM
2. FM MODE/MUTING Switch MONO/OFF





(1) FM IF, RF Adjustment and Dial Calibration

- Before making adjustments of steps 2 ~ 5, run the unit for more than 2 minutes and make the dial pointer go round on the dial scale at once by tuning knob.



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil Adj. In case of using Genescope	Output 80 dB Genescope	JW03 F-3130	Point A F-3130	T01 F-3130	Max. IF waveform	
	IF Coil Adj. In case of using FM SSG & DC volt meter	98 MHz ANT Input 20 dBf (14.8 dB), 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	Voltage between Point A and chassis DC volt meter	Same as above	Max. Indication of DC volt meter Meter Range 3V	
2.	Discriminator Coil Adj. In case of using Genescope	Output 80 dB Genescope	Same as above	JW63 F-3130	T02, T03 F-3130	Steep linearity of S curve Make symmetrical S curve	
		No Input		Voltage between TP02 & TP03 F-3130	T02 F-3130	DC 0 V ± 0.1 V	
	Discriminator Coil Adj. In case of using Dist meter	98 MHz ANT Input 65 dBf (59.8 dB), 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	OUTPUT L-CH or R-CH Dist Meter VTVM & Scope	T02, T03 & T01 F-3130	Min. THD	
		No Input		Voltage between TP02 & TP03 F-3130	T02 F-3130	DC 0 V ± 0.1 V	
3.	AFC Voltage Adj. <T-80 Only>	No Input		Voltage between TM20 & TM25 F-3130	VR03 F-3000	DC 7 V	Note: As for T-80, steps 3, 4 & 5 should be performed after grounding the collector of TR15 on F-3000
4.	106 MHz Dial Calibration <T-80>	No Input		Dial Pointer	Tuning knob	106 MHz	
				Indication of Display unit	TC03 F-3130	106 MHz	
	106 MHz Dial Calibration <T-60>	106 MHz ANT Input 0 dBf (-5.2 dB), 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	OUTPUT L-CH or R-CH VTVM & Scope	TC03 F-3130	Max. Output	
5.	90 MHz Dial Calibration <T-80>	No Input		Dial Pointer	Tuning knob	90 MHz	
				Indication of Display unit	L04 F-3130	90 MHz	
	90 MHz Dial Calibration <T-60>	90 MHz ANT Input 0 dBf (-5.2 dB), 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	OUTPUT L-CH or R-CH VTVM & Scope	L04 F-3130	Max. Output	
6.	106 MHz RF Adj.	106 MHz ANT Input Minimum value with sine wave 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	OUTPUT L-CH or R-CH VTVM & Scope	TC01, TC02 F-3130	Max. Output	

to be continued

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
7.	90 MHz RF Adj.	90 MHz ANT Input Minimum value with sine wave 1 kHz (100% MOD) FM SSG	Same as above	Same as above	L01, L02 F-3130	Max. Output	
8.	Signal Indicator Adj. <T-80 Only>	98 MHz ANT Input 20 dBf (14.8 dB), 1 kHz (100% MOD) FM SSG	ANT terminal 300Ω	SIGNAL Indicator	VR01 F-3000	Make 3 indication segments lighting	
		98 MHz ANT Input 65 dBf (59.8 dB), 1 kHz (100% MOD) FM SSG	Same as above	Same as above	Confirm every 8 indication segment lighting		
		No Input	Same as above	Same as above	Confirm only one indication segment lighting		

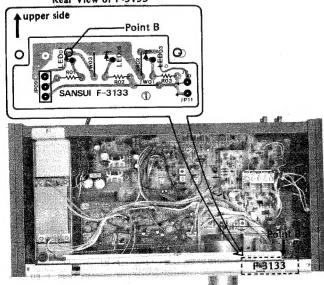
(2) FM STEREO Adjustment

Note: FM MODE/MUTING Switch AUTO/ON

STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	PLL VCO Adj.	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) R (or L) Mode 1 kHz + Pilot (100% MOD) STEREO SG	ANT terminal 300Ω	Stereo indicator	VR01 F-3130	Light indicator	Adjust the VR within center of lighting level
	PLL VCO Adj. In case of using Freq. Counter	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG (No MOD)	Same as above	JW90 <T-60> F-3130 Point B <T-80> F-3133 (See Fig. 2-1)	VR01 F-3130	19 kHz \pm 50 Hz	
2.	Separation Adj.	98 MHz ANT Input 65 dBf (59.8 dB) FM SSG Pilot 19 kHz (9% MOD) R Mode 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	OUT L-CH VTVM & Scope	VR02 F-3130	OUT -40 dB	Confirm separation L-CH \rightarrow R-CH (-40 dB)
3.	Muting level Adj.	98 MHz ANT Input 15 dBf (9.8 dB) FM SSG Pilot 19 kHz (9% MOD) SUB 1 kHz + Pilot (100% MOD) STEREO SG	Same as above	Stereo indicator or OUTPUT L-CH or R-CH VTVM & Scope	R121 (VR03) F-3130	Stereo indicator turns ON or Output Signal comes out	

Fig. 2-1. Location of Point B (Measure output of VCO Signal)

Rear View of F-3133



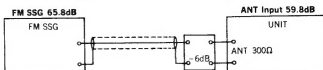
● NEW MEASUREMENT FOR FM.

Input signal level under the provision of IHFM-T-200, a new measurement method is indicated by available power ratio "dBf". To obtain approximate available power ratio "dBf", abstract 0.8 from attenuator indication of general FMMSG (open load indication type); however, the former measurement, IHFM-T-100 is designated together too.

The way of modulation of IHFM-T-200 is shown below.

	modulation frequency	modulation mode	modulation factor
FM MONO	1000 Hz		100%
FM STEREO	1000 Hz	SUB	Pilot 9% Pilot + SUB 100%

● The relation between the standard input 65 dBf of IHFM-T-200 and the former indication "dB_i" is shown below.



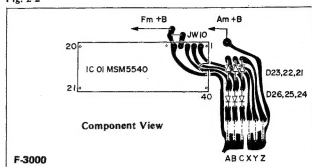
● Selection of Intermediate Frequencies (FM) (Refer to parts location F-3000 on page 6) <T-80 Only>

The digital locking point differs with the frequency rank of the ceramic filter used in the F-3130. When the central frequency (shown by a color) of the ceramic filter is changed, the following connection must be made by using jumper wires:

- Unify the color marks of the FM ceramic filters (CF01, CF02) on the F-3130 with the same color.
- Select the joints A, B, and C of F-3000 according to color marks as shown in the following table:

Colour ing	Intermediate frequency	Connecting Position of Jumper wire on F-3000			Connecting Position of Diode on F-3000		
		A	B	C	D26 Jumper wire Total Qty	D25	D24 Diode Total Qty
Black	10.64MHz			●	1		●
Brown	10.66MHz		●		1		●
Blue	10.68MHz		●	●	2		●
Red	10.70MHz	●			1	●	1
Orange	10.72MHz	●		●	2	●	2
Gray	10.74MHz	●	●		2	●	2
White	10.76MHz	●	●	●	3	●	3

Fig. 2-2

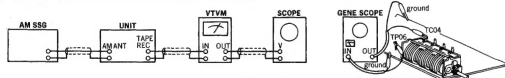


● Abbreviations

<Equipment>	
AM FM Generator Oscilloscope	Genescope
AM Standard Signal Generator	AM SSG
FM Standard Signal Generator	FM SSG
FM Stereo Generator	Stereo SG
Oscilloscope	Scope
Audio Oscillator	Audio Osc.
Distortion Meter	Dist. Meter
<Others>	
Antenna	ANT.
Modulation	MOD.
Total Harmonic Distortion	T.H.D.

2-2. AM IF Adjustment & Dial Calibration (See Top View on Page 8)

Note: 1. Selector AM



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
		FROM	TO				
1.	IF Coil Adj.	Genescope Output 60 dB	TC04 F-3130	TP06 F-3130	CF03, T05 F-3130	Max. Waveform	
2.	600 kHz Dial Calibration <T-80>	No Input		Dial Pointer	Tuning knob	600 kHz	
	600 kHz Dial Calibration <T-60>	600 kHz ANT Input 60 dB 400 Hz (30%MOD.) AM SSG	ANT terminal	Dial Pointer	Tuning knob	600 kHz	
				OUTPUT L-CH or R-CH VTVM & Scope	T04 F-3130	Max. Output	
3.	1400 kHz Dial Calibration <T-80>	No Input		Dial Pointer	Tuning knob	1400 kHz	
	1400 kHz Dial Calibration <T-60>	1400 kHz ANT Input 60 dB 400 Hz (30%MOD.) AM SSG	ANT terminal	Dial Pointer	Tuning knob	1400 kHz	
				OUTPUT L-CH or R-CH VTVM & Scope	TC05 F-3130	Max. Output	
4.	1400 kHz RF Adj.	1400 kHz ANT Input 50 dB 400 Hz (30%MOD.) AM SSG	Same as above	Same as above	TC04	Max. Output	

3. PARTS LOCATION & PARTS LIST

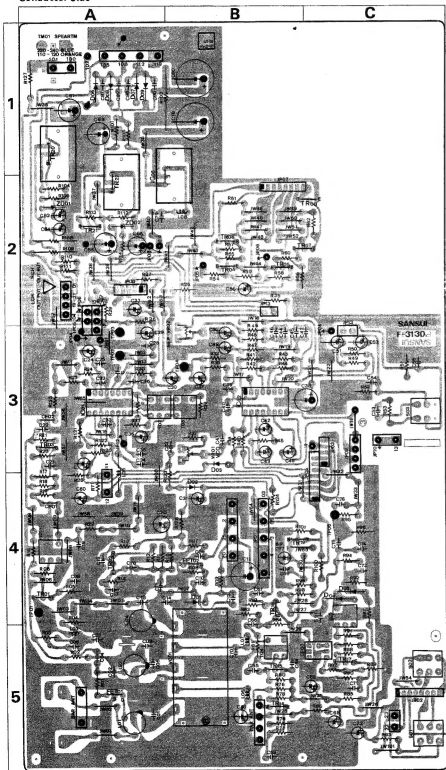
• As the stock number in the parts list on this service manual is indicated in 8 digit to differ from ordinary 7 digit, please be careful when ordering parts.

Note: Parts marked X, Y or without marks indicate as follows:

1. Parts marked X in parts list for T-80 Only
2. Parts marked Y in parts list for T-60 Only
3. Parts without marks in parts list for both T-80 and T-60.

3-1. F-3130 AM, FM, RF, IF Circuit Board (Stock No. 07062101 = T-80) (Stock No. 07056701 = T-60)

Conductor Side

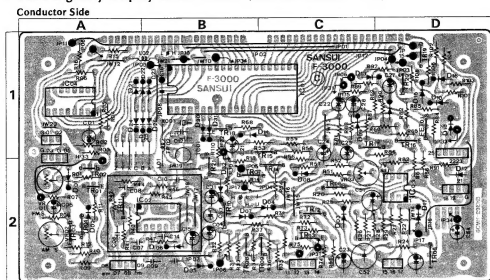


Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors which was appended previously to each Sansui Manual.

Parts List

Parts No.	Stock No.	Description	Position
*Transformer			
TR01	03063401, 2	25C1674 L, K	4A
TR02, 03	03065001, 1	25C088 C, D	4A, 3A
TR04	03068301, 2	25C2320 E, F	Y
TR05, 06	03012701, 1	25A089 E, F	Y
TR07, 08	03068301, 2	25C2320 E, F	Y
TR14	03057900, 1	25C930 C, D	5B
TR15	03047100, 1	25A735 F, G	5B
TR16	03057900, 1	25C930 C, D	X
TR17	03057900, 1	25C930 C, D	5C
TR19	03012701, 1	25A089 E, F	X
TR20	03034401, 2	25B827 D, E	X
TR21	03068301, 2	25C2320 E, F	X
TR22	03068301, 2	25C333AL D, E	2A
*IC			
IC 01	03012300	LA1231N	3A
IC 02	03060900	µPC1161C	3B
IC 03	03060920	F5785M	X
*FET			
FET01	03070700, 1	25K120-1, 2	5A
FET02	03070700, 1	25K120-1, 2	4B
*Diode			
D 01	03402100	15S53T	X
D 02, 03	03117600	1524730	3, 4B
D 05	03117800	1N40	4C
D 06 - 09	03117700	10E-2	1A
*Zener Diode			
ZD01	03178100	RD13E-C	2A
ZD02	03178100	RD13E-C	2A
C 39	08701600	300pF 50V P.C.	3B
C 40	08504300	0.047µF 50V F.C. (M)	3B
C 41	08701700	470pF 50V P.C.	3B
C 42	08470800	1.5µF 35V Ta.C.	3B
C 43	08471000	3.3µF 35V Ta.C.	3B
C 44	08702200	750pF 50V P.C.	3B
C 45	08702200	750pF 50V P.C.	3B
C 46	08500400	0.001µF 50V F.C. (M)	3B
C 47	08500400	0.001µF 50V F.C. (M)	3B
C 48	08470300	0.22µF 50V Ta.C.	3B
C 49	08603100	0.015µF 50V F.C. (M)	3C
C 50	08500900	0.001µF 50V	3C
C 51	08500900	0.001µF 50V F.C. (M)	3C
C 52	08502700	0.01µF 50V F.C. (M)	3C
C 53	08502700	0.01µF 50V F.C. (M)	3C
C 54	08504300	0.047µF 50V F.C. (M)	4C
C 55	08504300	0.047µF 50V F.C. (M)	4C
C 56	08504300	0.047µF 50V F.C. (M)	4C
C 57	08504300	0.047µF 50V F.C. (M)	4C
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C 157	08504300	0.047µF 50V F.C. (M)	4C
C 158	08504300	0.047µF 50V F.C. (M)	4C
C 159	08504300	0.047µF 50V F.C. (M)	4C
C 160	08504300	0.047µF 50V F.C. (M)	4C
C 161	08504300	0.047µF 50V F.C. (M)	4C
C 162	08504300	0.047µF 50V F.C. (M)	4C
C 163	08504300	0.047µF 50V F.C. (M)	4C
C 164	08504300	0.047µF 50V F.C. (M)	4C
C 165	08504300	0.047µF 50V F.C. (M)	4C
C 166	08504300	0.047µF 50V F.C. (M)	4C
C 167	08504300	0.047µF 50V F.C. (M)	4C
C 168	08504300	0.047µF 50V F.C. (M)	4C
C 169	08504300	0.047µF 50V F.C. (M)	4C
C 170	08504300	0.047µF 50V F.C. (M)	4C
C 171	08504300	0.047µF 50V F.C. (M)	4C
C 172	08504300	0.047µF 50V F.C. (M)	4C
C 173	08504300	0.047µF 50V F.C. (M)	4C
C 174	08504300	0.047µF 50V F.C. (M)	4C
C 175	08504300	0.047µF 50V F.C. (M)	4C
C 176	08504300	0.047µF 50V F.C. (M)	4C
C 177	08504300	0.047µF 50V F.C. (M)	4C
C 178	08504300	0.047µF 50V F.C. (M)	4C
C 179	08504300	0.047µF 50V F.C. (M)	4C
C 180	08504300	0.047µF 50V F.C. (M)	4C
C 181	08504300	0.047µF 50V F.C. (M)	4C
C 182	08504300	0.047µF 50V F.C. (M)	4C
C 183	08504300	0.047µF 50V F.C. (M)	4C
C 184	08504300	0.047µF 50V F.C. (M)	4C
C 185	08504300	0.047µF 50V F.C. (M)	4C
C 186	08504300	0.047µF 50V F.C. (M)	4C
C 187	08504300	0.047µF 50V F.C. (M)	4C
C 188	08504300	0.047µF 50V F.C. (M)	4C
C 189	08504300	0.047µF 50V F.C. (M)	4C
C 190	08504300	0.047µF 50V F.C. (M)	4C
C 191	08504300	0.047µF 50V F.C. (M)	4C
C 192	08504300	0.047µF 50V F.C. (M)	4C
C 193	08504300	0.047µF 50V F.C. (M)	4C
C 194	08504300	0.047µF 50V F.C. (M)	4C
C 195	08504300	0.047µF 50V F.C. (M)	4C
C 196	08504300	0.047µF 50V F.C. (M)	4C
C 197	08504300	0.047µF 50V F.C. (M)	4C
C 198	08504300	0.047µF 50V F.C. (M)	4C
C 199	08504300	0.047µF 50V F.C. (M)	4C
C 200	08504300	0.047µF 50V F.C. (M)	4C

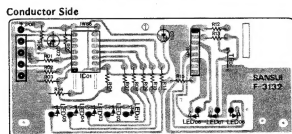
3-2. F-3000 Digitally Display Circuit Board (Stock No. 75988901 = T-80)



Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
•Transistor				•FET				C 54	00303900	47 μ F 10V 8.P.	2D
TR01	03005901 ~ 3 2SC945	O, P, K	2A	FET01	03703000 ~ 3 2SK117	O, Y, GR, BL	1D	L 01	42900101	Choke Coil 3.5 μ H	
TR02	03005100 ~ 2 2SA733A	P, Q, R	2A		03704000 ~ 7 2SK163	K1, K2, L1, L2,		L 02	49001100	Inductor 100 μ H	
TR05, 06	03005901 ~ 2 2SC945	O, P, R	2B, 2C	•Diode		M1, M2, N1, N2		VR01	10351300	FM SIGNAL Adj, 10k Ω (B) 2A	
TR07	03005100 ~ 2 2SA733A	P, Q, R	2B	D 03, 04	03111600	1S2473D	2A, C	VR03	10351100	AFC Bias Adj, 4.7k Ω (B) 2C	
TR08, 09	03005901 ~ 3 2SC945	O, P, R	2B, 2C	D 07 ~ 14	03111600	1S2473D	1, 2C	XU01	09300400	Crystal 6.5536 MHz	1B
TR10	03005100 ~ 2 2SA733A	P, Q, K	2B	D 17, 18	03111600	1S2473D	2D, 1D	FL01	02000100	Fluorescent Display Tube	
TR12 ~ 18	03005901 ~ 3 2SC945	O, P, K	1, 2C	D 21, 24	03111600	1S2473D	1R				
TR20	03005100 ~ 2 2SA733A	P, Q, K	1B	D 25, 26	03111600	1S2473D	1C, 2C				
TR21	03005901 ~ 3 2SC945	O, P, K	1D								
•IC				C 11	00398900	8 μ F 80V C.T.	1B				
IC 01	03009100	MSA5549/RS	1B	C 12	00287200	22 μ F 50V C.T.	1B				
IC 03	03007700	NJMA558D	2D	C 52	00304700	33 μ F 16V B.P.	2C, D				
IC 04	03006300	8A468	1A	C 53	00304900	3.3 μ F 15V B.P.	2B				

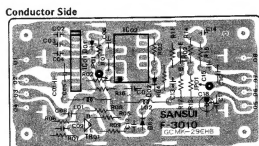
3-3. F-3132 SIGNAL, TUNE Indicator Circuit Board (Stock No. 75989301 = T-60)



Parts List

Parts No.	Stock No.	Description
•IC		
IC 01	03611600	LB1416
LED01 ~ 06	03193200	GL-9P18 (Red)
LED06, 07	03193500	GL-9P18 (Red)
LED08	03193600	GL-2P21 (Green)

3-4. F-3010 Pre Scaler Circuit Board (Stock No. 75989101 = T-80)



Parts List

Parts No.	Stock No.	Description
•Transistor		
TR01, 02	03063401, 2	2SC1674 L, K
•IC		
IC 01	03611300	AN6821
	03611200	SN74LS00N
IC 02	03613800	SN7490A
	03613700	TD3450BP
•Diode		
D 01 ~ 03	03111600	1S2473D
L 01, 02	42900101	Choke Coil 3.5 μ H

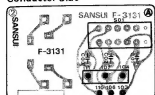
•Abbreviations

C.R. Carbon Resistor	E.L. Low Leak Electrolytic Capacitor
S.R. Solid Resistor	E.B. Bi-Polar Electrolytic Capacitor
C.R. Current Resistor	E.B.L. Low Leak Bi-Polar Electrolytic Capacitor
M.R. Metal Film Resistor	T.C. Tantalum Capacitor
F.R. Fusing Resistor	F.C. Film Capacitor
N.I.R. Non-Inductive Resistor	M.P. Metallized Paper Capacitor
C.C. Ceramic Capacitor	P.C. Polystyrene Capacitor
C.T. Ceramic Capacitor, Temperature Compensation	G.C. Gimmic Capacitor
E.C. Electrolytic Capacitor	

- The circuit boards, F-3131 & F-3133 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

3-5. F-3131 Power Switch Circuit Board

Conductor Side



Parts List

Parts No.	Stock No.	Description
S 01	11323100	Push Switch, power 25V, 1A
	11323000	Push Switch, power 25V, 1A

3-6. F-3133 Stereo Indicator Circuit Board

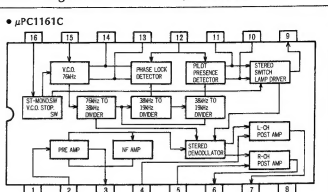
Conductor Side



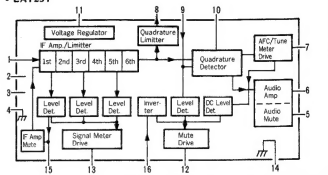
Parts List

Parts No.	Stock No.	Description
LED01	03193200	GL-SPR (Red), Stereo AM
LED02	03193300	GL-9NG (Green), FM
LED03	03193300	GL-9NG (Green), Quartz Locked
	03193200	GL-SPR (Red), Stereo

• Block Diagram of LA-1231 & μ PC1161C



• LA1231



4. REPLACEMENT OF DIAL CORD

- If a dial cord is cut off or slips, replace it by following procedures. As this unit uses 0.5 mm ϕ cord, please replace it with the same type certainly.
- The length of dial cord is approximately 215 cm (84.6 inch).

4-1. Threading of Dial Cord

<T-80/60>

Thread the dial cord in numerical order from ① to ⑪ as Fig. 1.

- Close the variable capacitor completely.
- Dial Cord (0.5 mm ϕ) (Stock No. 6036050)

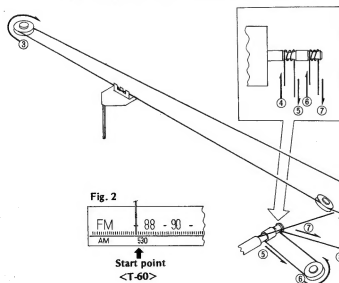


Fig. 1

4-2. Attachment of Dial Pointer

<T-80>

1. After installing the dial string, turn on the power switch. If the dial digital display is in the "FM Reception" state, turn the tuning knob until the digital display indicates 98.0 MHz. Then, fix the pointer to the dial string, after setting the pointer to the 98.0 MHz value of the scale.
2. After attaching Dial pointer confirm Dial pointer moves from 88 MHz to 108 MHz to turn the tuning knob.

<T-60>

1. Close the variable capacitor completely.
 2. Set the dial pointer to the start point, the line at the left end of the dial scale. (Fig. 2)
- Confirm that the dial pointer runs smoothly on the dial scale by turning the turning shaft.

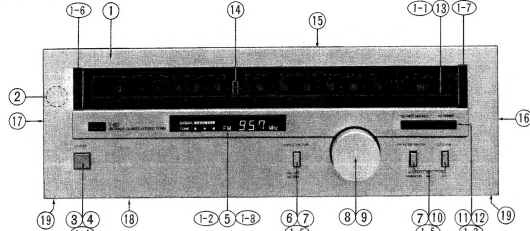
5. OTHER PARTS

• Since there are black & silver models in T-80 & T-60, please pay attention when ordering parts.

Parts marked (S) in parts list for silver model only

Parts marked (B) in parts list for black model only

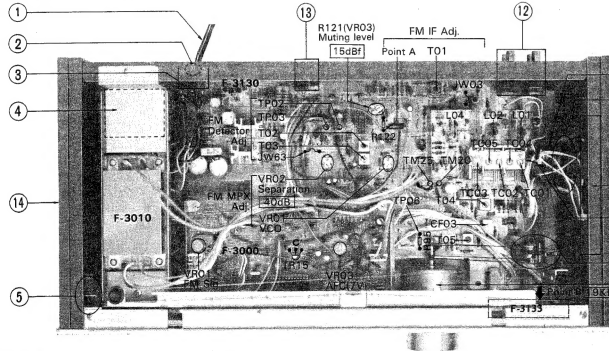
5-1. Front View <T-80>



Parts List

Para No.	Stock No.	Description	Para No.	Stock No.	Description	Para No.	Stock No.	Description
1	7008610	Front Panel Assy (S)	1-8	5426500	Blue Filter, display window	9	7008700	Tuning Unit (S)
1-1	7008610	Front Panel Assy (B)	2	04027800	Lamp, 20V, 0.12A	10	7008700	Tuning Unit (B)
1-2	5267000	Dial Window Glass	3	1123100	Push Switch, 20V, 1A, power	11	1123100	Push Switch, FM mode & selector
1-3	5449400	Smoked Glass, display window	4	5319500	Push Knob (S), power	12	0319300	LED (Green), signal locked
1-4	5449500	Smoked Glass, indicator window	5	5319500	Push Knob (B), power	13	0319300	LED (Red), signal locked
	5269000	Knob Guide (S), power	6	0000210	Fluorescent Display Tube	14	5458900	Dial Scale
	5269000	Knob Guide (B), power	7	1314601	Push Switch, noise canceler	15	7116100	Dial Pointer Assy
1-5	5267810	Knob Guide (S)	8	5319410	Push Knob (S)	16	5272000	Bornet
	5267810	Knob Guide (B)	9	5319410	Push Knob (B)	17	5457110	Side Panel (R)
	5267810	Knob Guide (S), FM mode, selector	10	5319410	Push Knob (B), FM mode, selector	18	5457110	Side Panel (L)
	5267810	Knob Guide (B), FM mode, selector	11	5319500	Tuning Knob (S)	19	00075410	Bottom Board
1-6	5456300	Side Frame (L)	12	5319500	Tuning Knob (B)			
1-7	5456300	Side Frame (R)						

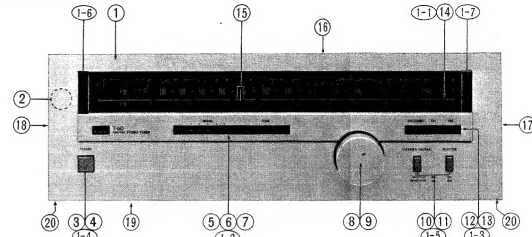
5-2. Top View <T-80>



Parts List

Para No.	Stock No.	Description	Para No.	Stock No.	Description	Para No.	Stock No.	Description
1	3800500	Power Cord 125V, 10A	7	7136100	Tension Unit	14	5457800	Side Panel (L)
2	3810000	Strain Relief	8	1220300	Variable Capacitor	15	5457810	Side Panel (R)
3	2461110	AC Outlet	9	4201000	AC Coupler			
4	4303200	Power Transformer	10	5359600	Antenna Holder			
5	04007800	Lamp 20V, 0.12A	11	5457200	Push Knob (S)			
6	7008710	Tuning Unit (S)	12	2292000	4P Antenna Terminal			
	7008700	Tuning Unit (B)	13	22907000	2P Input Terminal			

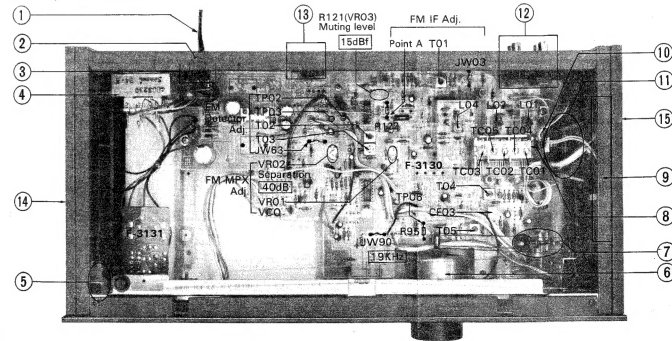
5-3. Front View <T-60>



Parts List

Para No.	Stock No.	Description	Para No.	Stock No.	Description	Para No.	Stock No.	Description
1	7008610	Front Panel Assy (S)	1-7	5456300	Side Frame (R)	10	1123100	Push Switch, FM mode & selector
1-1	7008610	Front Panel Assy (B)	2	04027800	Lamp, 20V, 0.12A	11	5319410	Push Knob (S), FM mode, selector
1-2	5267000	Dial Window Glass	3	1123200	Push Switch, 20V, 1A, power	12	0319300	LED (Red), FM
1-3	5449400	Smoked Glass, display window	4	5319500	Push Knob (S), power	13	0319300	LED (Green), AM, FM status
1-4	5449500	Smoked Glass, indicator window	5	5319500	Push Knob (B), power	14	5458900	Dial Scale
	5269000	Knob Guide (S), power	6	0000210	Fluorescent Display Tube	15	7116100	Dial Pointer Assy
	5269000	Knob Guide (B), power	7	1314601	Push Switch, noise canceler	16	5272000	Bornet
1-5	5267810	Knob Guide (S)	8	5319410	Push Knob (S)	17	5457110	Side Panel (R)
	5267810	Knob Guide (B)	9	5319410	Push Knob (B)	18	5457110	Side Panel (L)
	5267810	Knob Guide (S), FM mode, selector	10	5319500	Tuning Knob (S)	19	00075410	Bottom Board
	5267810	Knob Guide (B), FM mode, selector	11	5319500	Tuning Knob (B)	20	52075410	Rubber Patch
1-6	5456300	Side Frame (L)						
1-7	5456300	Side Frame (R)						

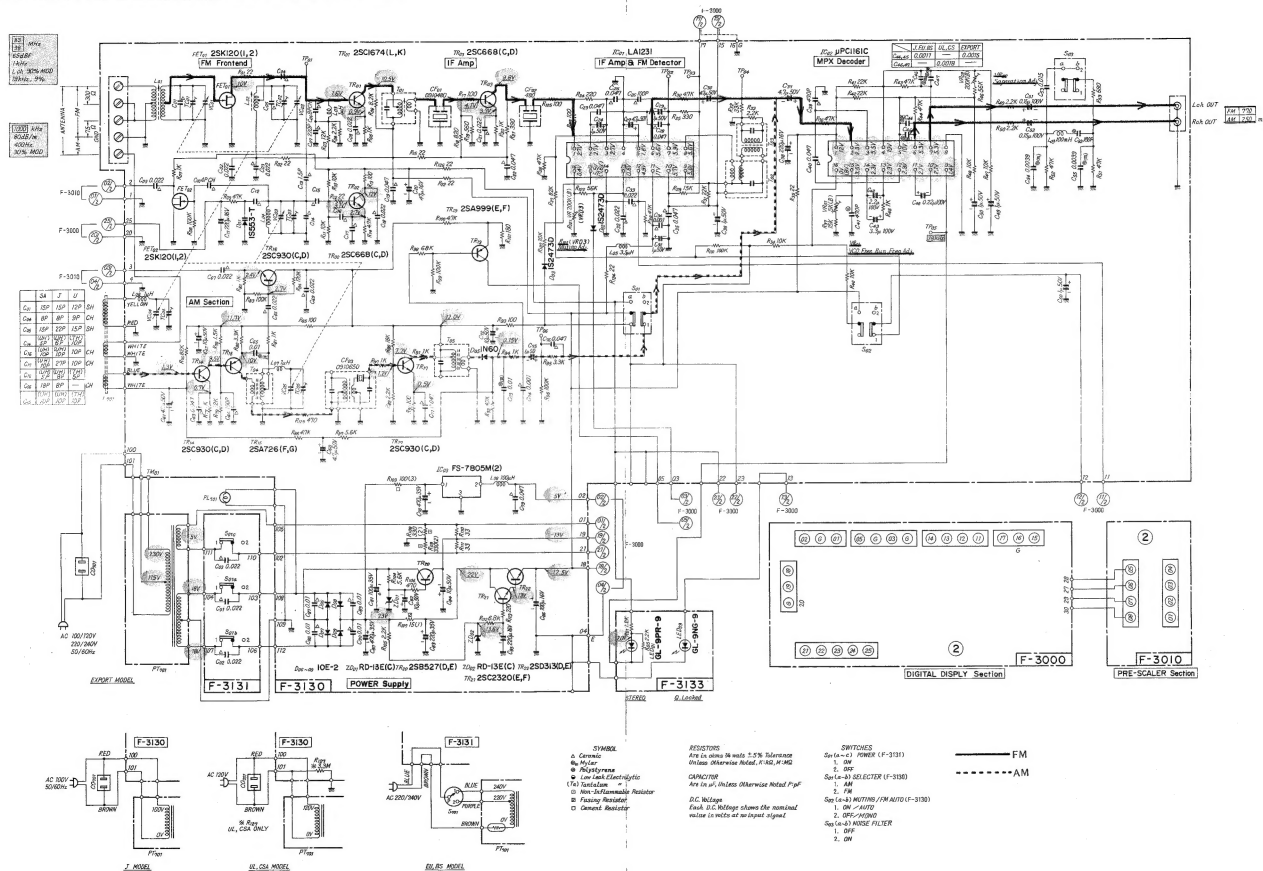
5-4. Top View <T-60>



Parts List

Para No.	Stock No.	Description	Para No.	Stock No.	Description	Para No.	Stock No.	Description
1	3800500	Power Cord 125V, 10A	7	7136100	Tension Unit	14	5457800	Side Panel (L)
2	3810000	Strain Relief	8	1220300	Variable Capacitor	15	5457810	Side Panel (R)
3	2461110	AC Outlet	9	4201000	AC Coupler			
4	4303200	Power Transformer	10	5359600	Antenna Holder			
5	04007800	Lamp 20V, 0.12A	11	5457200	Push Knob (S)			
6	7008710	Tuning Unit (S)	12	2292000	4P Antenna Terminal			
	7008700	Tuning Unit (B)	13	22907000	2P Input Terminal			

6. SCHEMATIC DIAGRAM 6-1. Tuner Section <T-80>

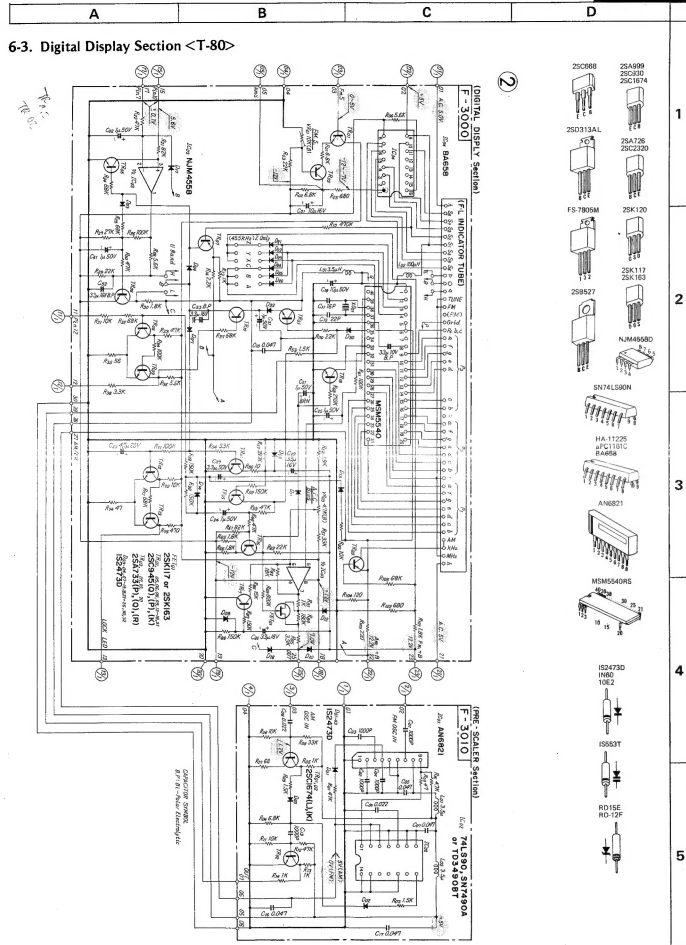


6-2. Tuner Section <T-60>

- Design and specifications subject to change without notice for improvement.
- La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suite d'améliorations techniques.
- Änderungen der dem technischen Fortschritt dienen, bleiben vorbehalten.

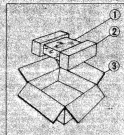
T-80/60

T-80/60



7. PACKING LIST

Parts No.	Stock No.	Description
1	91263800	Vinyl Cover
2	90284000	Styrofoam Packing
3	90561800	Carton Case <T-80 (SI)>
	90563000	Carton Case <T-80 (BI)>
	90562000	Carton Case <T-60 (SI)>
	90562600	Carton Case <T-60 (BI)>



8. ACCESSORY PARTS LIST

Stock No.	Description
92055200	Operating Instructions <T-80>
92055100	Operating Instructions <T-60>
38201200	FM Antenna
38103200	P.P.P. Cord

Sansui

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